

Dear CSN Members,

Below is your climate security update for this week.

Also, for those at NPS, you are invited to participate in this year's [2023 Design Challenge as a mentor](#). As a mentor, you'll work with high school students on a project focused on **Local Effects of Climate Change**. For more information: designchallenge@nps.edu.

I hope everyone is safe given the latest weather challenges. Take care,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 6 January 2023

Special Section: Ukraine

- Grid: [2023 and the world: Grid's global forecast – from Ukraine to China, conflict zones to climate change](#)
- European Union External Action: [A year of war and energy and climate crises](#)
- New Security Beat: [Ukraine's Environment in Time of Conflict: Damage, Data, and the Rule of Law](#)
- Daily Beast: [Russia's Invasion of Ukraine Has Forever Changed How the World Does Science](#)
- Interesting Engineering: [Russia-Ukraine war triggers global tectonic shift toward green energy](#)
- The Scotsman: [The world in 2023: What next for governments already dealing with COVID, war and catastrophic climate change?](#)
- The Indian Express: [The path to decarbonization in the wake of the Russia-Ukraine conflict](#)
- War on the Rocks: [Ukraine's Long-Term Road to Recovery](#)

NEWS

- [Scientists Report a Dramatic Drop in the Extent of Antarctic Sea Ice](#)
6 January 2023, Inside Climate News
- [Recent Developments on Carbon Dioxide Removal: Increasing Policy Support But Governance Issues Remain](#)
5 January 2023, Climate Law Blog
- [Will California's 'atmospheric river' storms end the drought?](#)
5 January 2023, Grist
- [Four Big Things to Expect in Clean Energy in 2023](#)
5 January 2023, Inside Climate News
- [Why Are Energy Prices So High? Some Experts Blame Deregulation.](#)

- 4 January 2023, The New York Times
- [**A new EPA proposal is reigniting a debate about what counts as ‘renewable’**](#)
4 January 2023, Grist
 - [**US Army Tests A New Flow Battery From Lockheed Martin**](#)
3 January 2023, Clean Technica
 - [**Winter is coming: Can Europe keep the lights on and homes warm?**](#)
3 January 2023, MIT Energy Initiative
 - [**Caltech to Launch Space Solar Power Technology Demo into Orbit in January**](#)
2 January 2023, Caltech Release
 - [**Nearly 200 Countries Approve a Biodiversity Accord Enshrining Human Rights and the ‘Rights of Nature’**](#)
2 January 2023, Inside Climate News
 - [**Extreme weather is now shaping international law**](#)
1 January 2023, Axios
 - [**Looking back on 2022 and the paradoxes of a climate crisis**](#)
31 December 2022, The Hill
 - [**Snapshots, Hotshots and Moonshots: Images of Climate Change in 2022**](#)
31 December 2022, Inside Climate News
 - [**The Arctic Heats Up: Global Competition in the High North**](#)
30 December 2022, Modern War Institute
 - [**6 climate wins from 2022 that are worth celebrating**](#)
30 December 2022, Business Insider
 - [**California Had a Watershed Climate Year, But Time Is Running Out**](#)
29 December 2022, Inside Climate News
 - [**Did the COPs rise to meet our oceans’ biggest challenge?**](#)
29 December 2022, GreenBiz
 - [**When the State Cut Their Water, These California Users Created a Collaborative Solution**](#)
26 December 2022, Inside Climate News
 - [**How climate legislation protects the environment and public health**](#)
25 December 2022, The Hill
 - [**Pentagon Intensifies Focus on Energy Resilience**](#)
23 December 2022, Federal Budget
 - [**Evelyn Wang appointed as director of US Department of Energy’s Advanced Research Projects Agency – Energy**](#)
22 December 2022, MIT News

- [China's Achilles Heel: Climate Diplomacy in the Developing World](#)
20 December 2022, Just Security

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Briefer:** [Climate Change as a "Threat Multiplier": History, Uses, and Future of the Concept](#)
Center for Climate & Security, 3 January 2023
- **Book:** [Thriving: Making Cities Green, Resilient, and Inclusive in a Changing Climate](#)
World Bank, 2022
- **Article:** [Investigating the Effects of Environmental and Energy Policies in Turkey Using an Energy Disaggregated CGE Model](#)
Economic Research Forum, December 2022
- **Report:** [Characterization of the chemical, biological and radiological environment in the Arctic World Archive](#)
Norwegian Defence Research Establishment, 16 December 2022
- **Book:** [Atlas of Disaster](#)
Rebuild by Design, Fall 2022
- **Journal Issue:** [How to Deal with the European Energy Crisis? Core Challenges for the EU](#)
EconPol Europe, 2022
- **Podcast:** [Molly Wood on Tech, Money and Survival](#)
Climate One, 6 January 2023
- **Report:** [Just Transition Litigation in Latin America: An Initial Categorization of Climate Litigation Cases Amid the Energy Transition](#)
Sabin Center for Climate Change Law, January 2023

EVENTS

- [Global Energy Forum](#)
14-15 January 2023 / Abu Dhabi, UAE & Virtual
Atlantic Council Global Energy Center
- [Do MPAs matter for climate change mitigation and adaptation?](#)
17 January 2023 / 11:00 am ET / 8:00 am PT / Virtual
NOAA National MPA Center and Open Communications for the Ocean (OCTO)
- [Workshop on Tipping Points, Cascading Impacts, and Interacting Risks in the Earth System](#)
17-19 January 2023 / Virtual
National Academies of Sciences, Engineering, and Medicine
- [National Security Significance of the Changing Climate: Naval Climate Engagement](#)
19 January 2023 / 9 am – 12 pm ET / 6 am – 9 am PT / Virtual
U.S. Naval War College

- [Macroeconomics and Climate-related Risks and Opportunities: An Overview](#)
23 January 2023 / 10 – 4 ET / Washington, DC
National Academies of Sciences, Engineering, and Medicine
- [Arctic Frontiers 2023](#)
30 January – 2 February 2023 / Tromsø, Norway and Virtual
Arctic Frontiers
- [\[NEW\] Congressional Climate Camp 2023: Non-CO2 Greenhouse Gases](#)
23 February 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Virtual
Environmental and Energy Study Institute
- [Pacific Climate Workshop: Drought to Deluge: Challenges facing Climate Science and Policy in the West](#)
26 Feb – 1 March, 2023 / Pacific Grove, CA
U.S. Geological Survey and partners
- [\[NEW\] Congressional Climate Camp: Implementing the Inflation Reduction Act and Infrastructure Investment and Jobs Act](#)
9 March 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Virtual
Environmental and Energy Study Institute
- [Fifteenth International Conference on Climate Change: Impacts and Responses](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners

OPPORTUNITIES

- [\[NPS\] Decarbonization Call For Proposals](#)
This call is for research proposals related to Operational Decarbonization and Platform Decarbonization. NPS proposals that partner with California Universities, government laboratories, and relevant industry will be prioritized. Contact me for more information: kristen.fletcher@nps.edu. **Proposals due 10 January 2023.**
- [Call for Public Comment: Federal Supplier Climate Risks and Resilience Proposed Rule](#)
Comments due 13 January 2023.
- [Call for Public Comment: Fifth National Climate Assessment](#)
Comments due 27 January 2023.
- **Summer Positions Open: [Research Associates, Center for Global Security Research](#)**
The [Center for Global Security Research \(CGSR\)](#) at Lawrence Livermore National Laboratory (LLNL) is seeking applicants for spring and/or summer 2023 research associates (RAs). **Application closes 28 January 2023.**

Dear CSN Members,

Below is your climate security update for this week on this Friday the 13th.

Thanks to those who send updates and resources for the weekly and for the well wishes as California braces for more storms. Hope everyone stays safe this weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 13 January 2023

Special Section: Ukraine

- BBC: [German coal mine stand off amid Ukraine war energy crunch](#)
- Inkstick Media: [Monitoring the Environmental Consequences of the War in Ukraine](#)
- Kyiv Post: [Germany Misses 2022 Climate Target on Ukraine War Fallout](#)
- Crain's New York Business: [Climate crisis and Ukraine war trigger soaring rates for reinsurance](#)
- AP News: [Japan PM in Paris to discuss Ukraine, climate, food security](#)
- Carnegie Endowment for International Peace: [How Russia's War Is Impacting the Global Environmental Agenda](#)
- Scroll.in: [How the Russia-Ukraine war is accelerating the global shift to clean energy](#)
- The New York Times: [War and Weather](#)
- Deseret News: [The dark night of winter: War in Ukraine is sparking an energy crisis across Europe](#)
- EuroNews: [Record food prices in 2022 due to Ukraine war and drought](#)
- AgriPulse: [Year in Review: Ukraine and climate policy dominate agriculture headlines](#)
- Ahram: [Russian-Ukrainian war and climate change give birth to new generation of terrorists in Africa: Al Azhar](#)

NEWS

- [UAE taps oil boss to lead climate talks](#)
13 January 2023, E&E News
- [Assessing ExxonMobil's global warming projections](#)
13 January 2023, Science
- [6 Reasons 2023 Could be a Very Good Year for Climate Action](#)
13 January 2023, Climate Council
- [The Israeli-Palestinian Conflict Is Also a Looming Climate Disaster](#)
11 January 2023, Time
- [Cost-of-living crisis overshadows 'unavoidable' climate action](#)
11 January 2023, Al Jazeera

- [**To get off fossil fuels, America is going to need a lot more electricians**](#)
11 January 2023, Grist
- [**Relentless Rise of Ocean Heat Content Drives Deadly Extremes**](#)
11 January 2023, Inside Climate News
- [**The Last 8 Years Were the Hottest on Record**](#)
10 January 2023, The New York Times
- [**Coral Species That Withstand Ocean Warming Identified**](#)
10 January 2023, Environmental News Network
- [**Climate Attribution Tools Critical for Understanding Extreme Events**](#)
10 January 2023, Homeland Security Today
- [**This simple tweak could slash carbon emissions from U.S. military vehicles**](#)
9 January 2023, The Washington Post
- [**How sending climate aid abroad helps the U.S.**](#)
9 January 2023, E&E News
- [**The UN calls for massive financial support for Pakistan – and other climate change stories you need to read this week**](#)
9 January 2023, World Economic Forum
- [**Improving China’s extreme weather response**](#)
9 January 2023, China Dialogue
- [**Global Warming Is the Front-Page Story of Our Lifetime**](#)
9 January 2023, The Nation
- [**Decarbonisation is vital for India to address climate change & provide energy security**](#)
9 January 2023, EGov
- [**5 levers for decarbonizing the global economy and tackling climate change**](#)
9 January 2023, World Economic Forum
- [**Energy & Climate Stories to Watch in 2023**](#)
9 January 2023, American Security Project
- [**World in an Unstable State with Unfulfilled Pledges Leading to Climate Crisis**](#)
9 January 2023, Davis Vanguard
- [**Improvising power trade in South Asia can ease renewable energy access in the region**](#)
9 January 2023, Eco-Business
- [**Europe Tries to Get on the Same Page Over US Climate Law**](#)
8 January 2023, Bloomberg
- [**Mad world: global flashpoints to watch in 2023 in the era of ‘polycrisis’**](#)
8 January 2023, The Conversation
- [**What 2023 Holds for the Fight Against Climate Change**](#)

8 January 2023, BNN Bloomberg

- [Climate change and food security in the 21st century](#)
7 January 2023, Modern Diplomacy
- [Germany built LNG terminals in months. Wind turbines still take years.](#)
7 January 2023, The Washington Post
- [The climate crisis in 2023](#)
6 January 2023, The Week (UK)
- [Global food prices in 2022 hit record high amid drought, war](#)
6 January 2023, AP News
- [A new climate reality: Less warming, but worse impacts on the planet](#)
6 January 2023, The Washington Post
- [What 2022 Natural Disasters Tell Us About Climate Change](#)
5 January 2023, Earth.org
- [Energy efficiency ‘war effort’ needed to cut bills and emissions, says MPs](#)
5 January 2023, The Guardian
- [The ‘Sleeping Giant of Energy Storage’ Is Waking Up](#)
29 December 2022, Forbes

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Strategy:** [Plant biosecurity strategy for Great Britain \(2023 to 2028\)](#)
United Kingdom Government, January 2023
- **Strategy:** [The U.S. National Blueprint for Transportation Decarbonization](#)
Departments of Transportation, Energy, Housing and Urban Development and Environmental Protection Agency, January 2023
- **Congressional Research Service Reports:**
 - [Solar Energy: Frequently Asked Questions](#), 5 January 2023
 - [Introduction to Financial Services: Environmental, Social, and Governance \(ESG\) Issues](#), 5 January 2023
 - [Indonesia: GHG Emissions and Climate Change Policy](#), 6 January 2023
- **Report:** [Assessing the U.S. Climate in 2022](#)
National Centers for Environmental Information, 10 January 2023
- **Chapter:** [Researches and Suggestions on China’s Proposal on Nature-Based Solutions at the UN Climate Action Summit](#)
Springer, 1 January 2023
- **Article:** [Climate Change and Indigenous Groups: The Rise of Indigenous Voices in Climate Litigation](#)
Public Law Journal, December 2022
- **Fact Sheet:** [Biden-Harris Administration Releases New Guidance to Disclose Climate Impacts in Environmental Reviews](#)

White House, 6 January 2023

- **Briefing:** [The Changing Strategic Importance of the Middle East and North Africa, Part Two: The Impact of Climate Change and Great Power Competition](#)
Center for Strategic & International Studies, January 2023
- **Book:** [The Climatization of Global Politics](#)
Springer, 2023
- **Briefer:** [Climate, Water and Militias: A Field Study From Southern Iraq](#)
Center for Climate & Security, 11 January 2023
- **Podcast:** [Rewind: Coping with Climate Through Music](#)
Climate One, 13 January 2023
- **Report:** [Scientific Assessment of Ozone Depletion: 2022](#)
World Meteorological Organization, 2022
- **Article:** [Energy system transition pathways to meet the global electricity demand for ambitious climate targets and cost competitiveness](#)
Applied Energy Journal, February 2023

EVENTS

- [National Security Significance of the Changing Climate: Naval Climate Engagement](#)
19 January 2023 / 9 am – 12 pm ET / 6 am – 9 am PT / Virtual
U.S. Naval War College
- [Macroeconomics and Climate-related Risks and Opportunities: An Overview](#)
23 January 2023 / 10 – 4 ET / Washington, DC
National Academies of Sciences, Engineering, and Medicine
- **[NEW]** [Innovating Out of The Climate Crisis: Carbon Emissions](#)
25 January 2023 / 12:30 – 1:15 pm ET / 9:30 – 10:15 am PT
American Security Project
- [Arctic Frontiers 2023](#)
30 January – 2 February 2023 / Tromsø, Norway and Virtual
Arctic Frontiers
- **[NEW]** [Digital Twins in Atmospheric, Climate and Sustainability Science](#)
1-2 February 2023 / Virtual
National Academies of Sciences, Engineering, and Medicine
- [Congressional Climate Camp 2023: Non-CO2 Greenhouse Gases](#)
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Environmental and Energy Study Institute
- [Pacific Climate Workshop: Drought to Deluge: Challenges facing Climate Science and Policy in the West](#)
26 Feb – 1 March 2023 / Pacific Grove, CA
U.S. Geological Survey and partners

- [**Congressional Climate Camp: Implementing the Inflation Reduction Act and Infrastructure Investment and Jobs Act**](#)
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- [**Fifteenth International Conference on Climate Change: Impacts and Responses**](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners
- **[NEW]** [**Tackling Climate Change with Machine Learning**](#)
3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations

OPPORTUNITIES

- **[NEW]** [**Atmospheric Methane Removal: Development of a Research Agenda**](#)
The National Academies of Sciences, Engineering, and Medicine is seeking nominations for a committee of experts to examine the need and viable options for atmospheric methane removal. The study will be conducted by a committee of ~ 12 volunteer experts in the fields of: atmospheric chemistry; climate science; chemical engineering; energy systems; agriculture; natural methane emissions; biology; risk; social and behavioral sciences; and equity and justice. **Deadline for nominations is 20 January 2023.**
- [**Call for Public Comment: Fifth National Climate Assessment**](#)
Comments due 27 January 2023.
- **Summer Positions Open:** [**Research Associates, Center for Global Security Research**](#)
The [Center for Global Security Research \(CGSR\)](#) at Lawrence Livermore National Laboratory (LLNL) is seeking applicants for spring and/or summer 2023 research associates (RAs). **Application closes 28 January 2023.**
- **[NEW]** [**Call for Proposals: Marine Carbon Dioxide Removal \(mCDR\): Research and Development for Assessing Large Scale Carbon Removal and Local Scale Ocean Acidification Mitigation**](#)
The NOAA Ocean Acidification Program on behalf of the National Oceanographic Partnership Program (NOPP) is soliciting proposals focused on expanding understanding of various aspects of marine Carbon Dioxide Removal to reduce uncertainty about the extent and durability of carbon removal, associated co-benefits/risks, and contribute to regulatory frameworks needed for both testing and implementation of approaches. **Proposals due 28 February 2023.**
- **[NEW]** [**National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change**](#)
The Council on Environmental Quality (CEQ) has issued interim guidance to assist agencies in analyzing greenhouse gas (GHG) and climate change effects of their proposed actions under NEPA. CEQ intends to either revise the guidance in response to public comments or finalize the interim guidance. **Comments due 10 March 2023.**

Dear CSN Members,

Below is your climate security update for this week, including some news related to this week's Davos World Economic Forum.

Also, please add to your calendars an upcoming event:

- [\[CSN\] Combined Naval Address on Climate, Energy & Environment featuring Dr. Neta Crawford](#)
Title: Climate Change, Climate Security, and the U.S. Military
9 February 2023 / 0940 – 1020 PT / Virtual
[Register in Advance](#)
[View the event flyer](#)
Co-sponsored by NPS, Naval War College, U.S. Naval Academy, U.S. Naval Community College, and Marine Corps University

For NPS Faculty interested in participating in a virtual Roundtable (1030 – 1130 PT) with Dr. Crawford, please contact me at kristen.fletcher@nps.edu.

Hope everyone has a nice weekend,

Kristen

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Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
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NPS Climate & Security Network Weekly Update: 20 January 2023

Special Section: Ukraine

- AP News: [Ukraine, climate, economy: Takeaways from glitzy Davos event](#)
- PBS: [At Davos, UN chief warns the world is in a 'sorry state' from climate change, Ukraine war](#)
- The New York Times: [The War in Ukraine Upended Energy Markets. What Does That Mean for the Climate?](#)
- The Japan Times: [Europe is winning the winter war by sheer luck](#)
- DOD Release: [Austin to Convene Ukraine Defense Contact Group Session](#)
- Columbia University Center on Global Energy Policy: [Russia's Methane Emissions and the War in Ukraine](#)
- Center for Strategic & International Studies: [The Role of Gas in Ukraine's Energy Future](#)

NEWS

- [States see lithium rush for EVs as environmentalists urge caution](#)
20 January 2023, The Hill
- [Africa's Food Insecurity to Persist Because of Climate Change, Conflicts](#)
20 January 2023, VOA
- [Renewables Projected to Soon Be One-Fourth of US Electricity Generation. Really Soon](#)

19 January 2023, Inside Climate News

- [**India holds the key to hitting global climate change targets. Here's why**](#)
19 January 2023, World Economic Forum
- [**Climate Initiatives Pose Difficult Problem for Central Banks Given Long Term Nature**](#)
19 January 2023, The Epoch Times
- [**Cost-of-living crisis and climate change are top business risks**](#)
19 January 2023, Consultancy.eu
- [**The Nuclear Fallacy: Why Small Modular Reactors Can't Compete With Renewable Energy**](#)
19 January 2023, Clean Technica
- [**The farming sector faces national security threats**](#)
19 January 2023, The Center Square
- [**Someone tell Trudeau: Energy is now about security**](#)
19 January 2023, Financial Post
- [**US, Chinese officials discuss climate, economy, relationship**](#)
18 January 2023, AP News
- [**California's storms are almost over. Its reckoning with flood insurance is about to begin.**](#)
18 January 2023, Grist
- [**Department of Defense maintains strong commitment to renewable energy**](#)
18 January 2023, PV Magazine
- [**'Issue is Pursuing Development With Environmental Sustainability': Former PM Envoy on Climate Change**](#)
18 January 2023, The Wire
- [**Food security in a climate crisis must start with seeds**](#)
18 January 2023, Devex
- [**Rice: A Recipe for Greenhouse Gas Emissions in the U.S. and China?**](#)
17 January 2023, New Security Beat
- [**Confronting Fragmentation Where It Matters Most: Trade, Debt and Climate Change**](#)
16 January 2023, IMF Blog
- [**Airborne wind energy is finally ready for lift-off**](#)
16 January 2023, Energy Monitor
- [**Cleantech Adaptations Can Create A Quieter, More Energy Efficient Military**](#)
15 January 2023, Clean Technica
- [**Energy investment in a time of inflation**](#)
14 January 2023, Atlantic Council

- [Computers that power self-driving cars could be a huge driver of global carbon emissions](#)
13 January 2023, MIT News
- [How the First Movers Coalition is decarbonizing hard-to-abate industries](#)
13 January 2023, World Economic Forum
- [The 2023 Global Energy Agenda](#)
13 January 2023, Atlantic Council
- [Coal to Nuclear \(C2N\) Transitions](#)
12 January 2023, American Security Project

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Congressional Research Service Reports:**
 - [U.S. International Climate Finance: FY2023](#), 10 January 2023
 - [Understanding Linked Climate and Weather Hazards and the Challenges to Federal Emergency Management](#), 10 January 2023
 - [U.S. Greenhouse Gas Emissions Trends and Projections from the Inflation Reduction Act](#), 12 January 2023
- **Video:** [Transformative Climate Communities: Lessons Learned and Best Practices](#)
National Academies of Sciences, Engineering and Medicine, January 2023
- **Report:** [Military capabilities affected by climate change: An analysis of China, Russia and the United States](#)
Clingendael Netherlands Institute of International Relations, 10 January 2023
- **Briefer:** [Deepening U.S. Climate Security Ambition: A Road Map for 2023](#)
Center for Climate & Security, 19 January 2023
- **Report:** [Pilot Climate Scenario Analysis Exercise](#)
Board of Governors of the Federal Reserve System, January 2023
- **Report:** [2022 National Preparedness Report](#)
Federal Emergency Management Agency, 29 December 2022
- **Report:** [Climate-fueled Violence and Displacement in the Lake Chad Basin: Focus on Chad and Cameroon](#)
Refugees International, January 2023
- **Article:** [The paradox of overcapacity in African energy sectors](#)
Energy for Sustainable Development Journal, February 2023
- **Podcast:** [Activism, Art and Environmental Justice](#)
Climate One, 19 January 2023
- **Monthly Model:** [Regional Arctic System Model](#)
Naval Postgraduate School, 1 December 2022
- **Article:** [Understanding uncertainties in contemporary and future extreme wave events for broad-scale impact and adaptation planning](#)

Science Advances, 11 January 2023

- **Article:** [Differences in interference processing and frontal brain function with climate trauma from California's deadliest wildfire](#)
PLOS Climate, 18 January 2023
- **Report:** [The Potential Role of Biohydrogen in Creating a Net-Zero World: The Production and Applications of Carbon-Negative Hydrogen](#)
Columbia University Center on Global Energy Policy, January 2023
- **White Paper:** [Electricity +: Electricity as the Backbone of an Integrated Energy System](#)
World Economic Forum, January 2023
- **Briefing:** [Higher Renewable Energy Targets in Germany: How Will the Industry Benefit?](#)
De L'Ifri Center for Energy & Climate, January 2023
- **Report:** [Climate Taxonomies and Nuclear Energy \(Roundtable Report\)](#)
Columbia University Center on Global Energy Policy, January 2023
- **Report:** [Rethinking Humanitarian Assistance: Climate and Crisis in the Horn of Africa](#)
Center for Strategic & International Studies, January 2023

EVENTS

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OPPORTUNITIES

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- **[NEW] Call for Proposals:** [**Managed Retreat to Address Extreme Weather, Natural Hazards, and Climate Impacts**](#)
The research objective is to develop a managed retreat framework and guide for state DOTs to address extreme weather, natural hazards, and climate impacts that consider equity, land use, and community needs. **Proposals due 30 January 2023.**
- **Call for Proposals:** [**Marine Carbon Dioxide Removal \(mCDR\): Research and Development for Assessing Large Scale Carbon Removal and Local Scale Ocean Acidification Mitigation**](#)
The NOAA Ocean Acidification Program on behalf of the National Oceanographic Partnership Program (NOPP) is soliciting proposals focused on expanding understanding of various aspects of marine Carbon Dioxide Removal to reduce uncertainty about the extent and durability of carbon removal, associated co-benefits/risks, and contribute to regulatory frameworks needed for both testing and implementation of approaches. **Proposals due 28 February 2023.**
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Dear CSN Members,

Below is your climate security update for this week.

Also, I'm pleased to share an upcoming NPS Energy Academic Group event:

- [\[NPS\] Black Sea Security Symposium: The Role of the Black Sea in Global Energy Security](#)
7 February 2023 / Monterey, CA
Energy Academic Group, Naval Postgraduate School

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
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kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 27 January 2023

Special Section: Ukraine

- InfoMigrants: [Human trafficking declines, but climate change and Ukraine war pose new risks](#)
- Queen Mary University of London: [Queen Mary research reveals effects of Ukraine war on energy disputes](#)
- Business Mirror: [Ukraine war, climate, China reopening to keep prices up](#)
- The Week: [Can climate change lose Russia the war in Ukraine?](#)
- Financial Review: [Gates says Putin's war has destroyed the world's sustainability goals](#)
- American Security Project: [Ukrainian Reconstruction Aid is Vital for Global Food Security](#)

NEWS

- [The U.S. National Ocean Climate Action Plan Must Prioritize Local Stakeholders and Ecosystem Protection](#)
27 January 2023, Just Security
- [Finland Explores New Direction for Its Arctic Policy](#)
27 January 2023, High North News
- [25 states sue Biden administration over federal ESG policy](#)
27 January 2023, Denton Record-Chronicle
- [Clean energy is national security](#)
26 January 2023, The Hill
- [African Leaders Discuss Path to Food Security at Dakar Summit](#)
26 January 2023, VOA

- [Climate change conference addresses future needs in defence](#)
26 January 2023, UK Government Release
- [The value of nature and the nature of value](#)
26 January 2023, The Hill
- [Climate adaptation: why businesses need to start battening down the hatches](#)
26 January 2023, Raconteur
- [Climate Change May Usher in a New Era of Trade Wars](#)
25 January 2023, The New York Times
- [High-Octane Capitalism Meets Climate Change](#)
25 January 2023, Bloomberg
- [Guard Charges Forward with Electric Vehicle Conversion](#)
25 January 2023, National Guard Release
- [Could UK be drawn into a green trade war with US?](#)
25 January 2023, BBC
- [Drilling Deep on Chinese Deep-Sea Mining](#)
25 January 2023, American Security Project
- [3 Questions: Antje Danielson on energy education and its role in climate action](#)
25 January 2023, MIT Energy Initiative
- [New multidisciplinary climate change curriculum for high schools aims to engage and mobilize teachers and students](#)
25 January 2023, MIT Energy Initiative
- [A zero emissions future without the mining boom](#)
24 January 2023, Grist
- [UN report shows climate-related disasters as a major cause of human trafficking](#)
24 January 2023, Africa News
- [Climate Adaptation: A Review of Federal Legislation Enacted Since 2017](#)
24 January 2023, Environmental and Energy Study Institute
- [The Federal Government Can Use Its Buying Power to Help the Environment and Save Taxpayers Money](#)
23 January 2023, Government Executive
- [Pentagon No Match for Biggest China Threat: Massive Carbon Emissions](#)
23 January 2023, Common Dreams
- [Brazil Continues to Implement Social, Environmental, and Climate Change Regulatory Reforms](#)
23 January 2023, JD Supra
- [NATO hosts symposium on climate change and military capabilities](#)
23 January 2023, NATO Release

- [**New Study Reveals Arctic Ice, Tracked Both Above and Below, Is Freezing Later**](#)
23 January 2023, Inside Climate News
- [**5 Ways Mayors Can Build Climate – Resilient Cities**](#)
23 January 2023, Route Fifty
- [**It’s time for a climate moonshot in America**](#)
21 January 2023, The Hill
- [**NRC Certifies First U.S. Small Modular Reactor Design**](#)
20 January 2023, Department of Energy Release
- [**Government falling ‘far short’ on environmental targets**](#)
19 January 2023, BBC

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [**Blue Carbon: Sinking it in the Sea**](#)
Climate One, 27 January 2023
- **Report:** [**Powering Toward 100 Percent Clean Power by 2035**](#)
Evergreen Collaborative, January 2023
- **Article:** [**National models of climate governance among major emitters**](#)
Nature Climate Change, 23 January 2023
- **Report:** [**Annual Outlook 2023: Warmer Climes Ahead**](#)
Observer Research Foundation, January 2023
- **Article:** [**Teleconnections among tipping elements in the Earth system**](#)
Nature Climate Change, January 2023
- **Report:** [**National Strategy to Develop Statistics for Environmental-Economic Decisions**](#)
White House, Office of Science and Technology Policy, January 2023
- **Framework:** [**A Framework for Federal Scientific Integrity Policy and Practice**](#)
White House, January 2023
- **Article:** [**Methane possible**](#)
Nature Climate Change, January 2023
- **Report:** [**The State of Carbon Dioxide Removal**](#)
University of Oxford, January 2023

EVENTS

- [**Digital Twins in Atmospheric, Climate and Sustainability Science**](#)
1-2 February 2023 / Virtual
National Academies of Sciences, Engineering, and Medicine
- [**\[NPS\] Black Sea Security Symposium: The Role of the Black Sea in Global Energy Security**](#)
7 February 2023 / Monterey, CA
Energy Academic Group, Naval Postgraduate School

- **[CSN] [Combined Naval Address on Climate, Energy & Environment featuring Dr. Neta Crawford](#)**
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[Register in Advance](#) / [View the event flyer](#)
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Common Ground Research Networks and partners
- **[Tackling Climate Change with Machine Learning](#)**
3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations

OPPORTUNITIES

- **Call for Proposals: [Managed Retreat to Address Extreme Weather, Natural Hazards, and Climate Impacts](#)**
Proposals due 30 January 2023.
- **[NEW] [Climate Change AI Summer School 2023](#)**
Applications due 31 January 2023.
- **Call for Proposals: [Marine Carbon Dioxide Removal \(mCDR\): Research and Development for Assessing Large Scale Carbon Removal and Local Scale Ocean Acidification Mitigation](#)**
Proposals due 28 February 2023.
- **[National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change](#)**
Comments due 10 March 2023.

Dear CSN Members,

Below is your climate security update for this week.

Please plan to join us for next week's CSN event:

[Combined Naval Address on Climate, Energy & Environment featuring Dr. Neta Crawford](#)

Title: Climate Change, Climate Security, and the U.S. Military

9 February 2023 / 0940 – 1020 PT / Virtual

[Register in Advance](#)

For NPS Faculty interested in participating in a virtual Roundtable (1030 – 1130 PT) with Dr. Crawford, please contact me at kristen.fletcher@nps.edu.

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher

Faculty Associate-Research | Naval Postgraduate School

[Energy Academic Group](#) | [Climate & Security Network](#)

Office: 831.920.1090 | Cell: 401.714.4686

kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 3 February 2023

Special Section: Ukraine

- Eurasia Review: [Environmental Accountability, Justice And Reconstruction From Russian War On Ukraine - Analysis](#)
- EcoWatch: [BP Says Ukraine War and IRA Could Spur Energy Transition](#)
- Food Ingredients 1st: [EU farmers demand urgent reform of agricultural plans that ignore Ukraine war and inflation](#)
- Carnegie Europe: [Climate Action, Social Justice, and Democracy: Europe's New Trilemma](#)
- European Council: [Joint statement following the 24th EU-Ukraine Summit](#)

NEWS

- [A Climate Scientist Is Evaluating the U.S.'s Spy Programs](#)
3 February 2023, E&E News
- [What Lego – Yes, Lego – Can Teach us About Avoiding Energy Project Boondoggles](#)
2 February 2023, Inside Climate News
- [The Inflation Reduction Act Shows The Way Forward On Climate](#)
2 February 2023, Forbes
- [Women and Climate Change in South Asia](#)
2 February 2023, Modern Diplomacy
- [Gillibrand fighting to prevent closure of Drum biomass plant](#)
2 February 2023, NYTV News

- [**White House Appoints Noted Climate Scientist to Intelligence Board – Why That Matters**](#)
1 February 2023, Forbes
- [**This is the link between climate change and conflict – and what we can do about it**](#)
1 February 2023, World Economic Forum
- [**Pendleton Partnership has Battery Disposal Down Pat**](#)
1 February 2023, U.S. Marine Corps Release
- [**Confronting California’s Water Crisis**](#)
1 February 2023, Inside Climate News
- [**Saving the planet and picking fights in the process**](#)
1 February 2023, The Japan Times
- [**India’s push for climate finance in Economic Survey 2023 reflects its stance as G20 President**](#)
1 February 2023, Mongabay
- [**Why India needs an integrated policy strategy to tackle energy, climate change challenges**](#)
31 January 2023, The Economic Times
- [**The Shift to Renewable Energy Is Speeding Up. Here’s How.**](#)
31 January 2023, The New York Times
- [**Norway Is Planning to Profit From Climate Change**](#)
31 January 2023, Foreign Policy
- [**How Water Finally Became a Climate Change Priority**](#)
31 January 2023, Scientific American
- [**Yes, we have enough materials to power the world with renewable energy**](#)
31 January 2023, MIT Technology Review
- [**America Reenters Competition for Global Nuclear Energy Markets**](#)
31 January 2023, New Security Beat
- [**Investigating Climate Migration: Global Realities and Resilience**](#)
30 January 2023, New Security Beat
- [**‘Flying with one engine’: why global food supplies are at risk despite falling crop prices**](#)
28 January 2023, Financial Times
- [**New Portable Mosquito Repellent Device Passes U.S. Military Testing**](#)
28 January 2023, Sci Tech Daily
- [**Italy’s “Wider Mediterranean”: Is It Just About Energy?**](#)
27 January 2023, Italian Institute for International Political Studies
- [**China’s Oil and Gas Use Fell in 2022 for First Time in Decades**](#)
27 January 2023, The New York Times

- [How to Understand the Scale of Embodied Carbon](#)
27 January 2023, Treehugger
- [Thunberg, UN urge quick action on climate migration](#)
27 January 2023, The Hill
- [The Oil Thieves of Nigeria](#)
26 January 2023, Hudson Institute
- [How new technologies could clean up air travel](#)
26 January 2023, MIT Technology Review
- [The Intersection of Artificial Intelligence and Environmental, Social and Governance Concerns](#)
25 January 2023, Tripwire
- [How much innovation is necessary to see off fossil fuels?](#)
25 January 2023, The Economist
- [Charting a path to a renewable energy future](#)
22 January 2023, Independent
- [Could Air Someday Power Your Flight? Airlines Are Betting on It.](#)
19 January 2022, The New York Times

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [Electrolysis as Flagship Technology for Decarbonization](#)
Stanford Hydrogen Initiative, 23 January 2023
- **Briefer:** [Breaking Silos: Climate Change, Security, and Humanitarian Action](#)
Center for Climate & Security, 31 January 2023
- **Policy Brief:** [How non-state armed groups engage in environmental protection](#)
Danish Institute for International Studies, 24 January 2023
- **Congressional Research Service Reports:**
 - [Overview of U.S. Army Corps of Engineers Environmental Infrastructure \(EI\) Assistance](#), 23 January 2023
 - [Prospects for U.S.-Saudi Nuclear Energy Cooperation](#), 23 January 2023
 - [Tax Credits for “Clean Electricity” – Projected Effects on CO2 Emissions and the Generation Mix](#), 23 January 2023
- **Paper:** [Cybersecurity under the Ocean: Submarine Cables and US National Security](#)
Hoover Institution, January 2023
- **Article:** [Climate Change is Overpowering America’s Electric Grid](#)
The Wilson Quarterly, January 2023
- **Brief:** [U.S. LNG: Remapping Energy Security](#)
Center for Strategic and International Studies, 17 January 2023

- **Issue Brief:** [Energy Transition Through Waste-To-Energy Projects in Peri-Urban and Rural Areas](#)
Observer Research Foundation, January 2023
- **Report:** [The Changing Strategic Importance of the Middle East and North Africa](#)
Center for Strategic and International Studies, 30 January 2023
- **Podcast:** [Saket Soni on the People Who Make Disaster Recovery Possible](#)
Climate One, 3 February 2023
- **Article:** [1.5-degree goal not plausible: Social change more important than physical tipping points](#)
Science Daily, 1 February 2023
- **Article:** [Research Priorities for Climate Litigation](#)
Earth's Future (American Geophysical Union), January 2023
- **Book:** [Global Climate Change and U.S. Law, Third Edition](#)
American Bar Association, January 2023

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Proposals due 28 February 2023.
- **[National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change](#)**
Comments due 10 March 2023.

Dear CSN Members,

Below is your climate security update for this week.

A special thanks to Dr. Neta Crawford who was our featured speaker at the 4th Combined Naval Address on Climate, Energy & Environment this week and all those who made the event possible.

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 10 February 2023

Special Section: Ukraine

- Al Jazeera: [European Union bans Russian diesel, oil products over Ukraine](#)
- The Wall Street Journal: [Europe Cuts Addiction to Russian Energy, Yet Fuel Scramble Continues](#)
- Reuters: [For 2023, U.N. chief amplifies warnings on Ukraine, climate](#)
- Bloomberg: [BP Slows Retreat From Oil as Russia War Drives Record Profit](#)
- American Security Project: [Ukrainian Reconstruction Aid is Vital for Global Food Security](#)
- Centre for Information Resilience: [The price of occupation: impact on people & land](#)
- Naval War College Review: [The Euro-Russian Energy Divorce: How Ukraine and Climate Broke Ostpolitik](#)
- Grid: [Is an Arctic ‘Cold War’ coming? How climate change and the war in Ukraine are driving tensions.](#)

NEWS

- [The ‘Last Ice Area’ is already disappearing](#)
10 February 2023, Grist
- [Power Struggles: Grid Attacks and Extremism in an Age of Climate Volatility](#)
10 February 2023, Lawfare
- [Climate Change Looms Behind South America’s Heat Wave](#)
10 February 2023, Foreign Policy
- [Biden and Brazil’s president to talk climate, Amazon deforestation](#)
10 February 2023, The Washington Post
- [Can India’s G20 Presidency tackle climate change while ensuring energy access, security & transition?](#)
10 February 2023, Down To Earth
- [The Intertwined Food and Climate Emergency: Heeding Science](#)

10 February 2023, Counter Punch

- [Battery Technology and the Military EV Transition](#)
9 February 2023, American Security Project
- [Why climate change is plaguing the Fed](#)
9 February 2023, Politico
- [Energy geopolitics & climate-induced risk](#)
9 February 2023, Khabar Hub
- [Solar energy project extending onto Edwards Air Force Base becomes Kern's largest](#)
8 February 2023, Bakersfield.com
- [Millions face threat of flooding from glacial lakes](#)
8 February 2023, BBC
- [Past Records Help to Predict Different Effects of Future Climate Change on Land and Sea](#)
8 February 2023, Woods Hole Oceanographic Institution
- [Water security is a national security issue: What's needed now](#)
8 February 2023, World Economic Forum
- [The Indus imbroglio: Hostile hydropolitics and lack of integrated basin governance](#)
8 February 2023, Observer Research Foundation
- [Accelerating energy and climate innovation in the U.S.](#)
7 February 2023, Innovation News Network
- [How Tensions With Russia Are Jeopardizing Key Arctic Research](#)
7 February 2023, Yale Environment 360
- [Edwards AFB Solar & Battery Storage Project Goes Live](#)
7 February 2023, Clean Technica
- [IEA forecasts power sector set for 2025 'tipping point' on emissions](#)
7 February 2023, Financial Times
- [Caribbean Sees First Regional Launch of Global Plan on Early Warning Systems](#)
7 February 2023, Homeland Security Today
- [Energy security for India paramount, but not at cost of climate change goals: Petroleum Minister](#)
7 February 2023, Devdiscourse
- [What Do We Really Know About China's Food Security?](#)
7 February 2023, The Diplomat
- [The Fed's Climate Complacency](#)
7 February 2023, Project Syndicate
- [Energy crisis could become a win-win situation for climate and the economy](#)
7 February 2023, Phys.org

- [Old Dangers, New Modes: Climate Change and Human Trafficking](#)
6 February 2023, New Security Beat
- [Lesser-Known Challenges of Climate Change](#)
6 February 2023, OZY
- [Climate disasters displacing millions in the U.S.](#)
6 February 2023, Politico
- [China's 'Climate' Balloon Risks Arctic Peace](#)
6 February 2023, Bloomberg
- [Climate Change, Arctic Security, and Allied Strategy: A Strategic Analysis](#)
6 February 2023, Wavell Room
- [US Dept of Defense Inches Closer To Tactical Electric Vehicles](#)
4 February 2023, Clean Technica
- [India, France, UAE to work on climate change, biodiversity](#)
4 February 2023, Yahoo News
- [AFIMSC collaboration with local community, industry brings solar power to Edwards AFB](#)
3 February 2023, Air Force Material Command Release
- [Health Benefits of EVs](#)
2 February 2023, American Security Project
- [Realizing North Africa's green hydrogen potential](#)
2 February 2023, Atlantic Council
- [Africa and the global LNG crunch: Balancing energy security, development, and decarbonization](#)
31 January 2023, Atlantic Council
- [Whiplash weather: What we can learn from California's deadly storms](#)
25 January 2023, Stanford Earth Matters Magazine

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Article:** [Research on public support for climate policy instruments must broaden its scope](#)
Nature Climate Change, January 2023
- **Podcast:** [3 Questions: Antje Danielson on energy education and its role in climate action](#)
MIT, 2023
- **Article:** [More frequent atmospheric rivers slow the seasonal recovery of Arctic sea ice](#)
Nature Climate Change, February 2023
- **Briefer:** [The Forgotten Countries in the "Muddy Middle" of Climate Security Risk: A Case for Addressing the Gap](#)

Center for Climate & Security, February 2023

- **Article:** [Towards Enhanced Connectivity and Sustainability in the Mediterranean Transport and Logistics Sector. Trends in Trade, Maritime Transport and Sustainability](#)
European Institute of the Mediterranean, 6 February 2023
- **Monthly Report:** [Assessing the U.S. Climate in January 2023](#)
National Centers for Environmental Information, 8 February 2023
- **Article:** [Reassessing the “Nuclear Winter” Theory: Current Research on the Climate Effects of Nuclear War and Its Implications for Security and Nuclear Deterrence](#)
Security & Strategy, January 2023
- **Congressional Research Service Reports:**
 - [Prospects for U.S.-Saudi Nuclear Energy Cooperation](#), 2 February 2023
 - [DOE Office of Energy Efficiency and Renewable Energy FY 2023 Appropriations](#), 27 January 2023
- **Article:** [The Energy Transition: Advanced Nuclear Needed but Address Climate Change Vulnerabilities Now](#)
Journal of Critical Infrastructure Policy, Fall/Winter 2023
- **Book:** [How Can DoD Compare Damage Costs Against Resilience Investment Costs for Climate-Driven Natural Hazards? Overview of an Analytic Approach, Its Advantages, and Its Limitations](#)
Rand Corporation, February 2023
- **Article:** [Ending Global Reliance on Russia’s Nuclear Energy Sector](#)
Foundation for Defense of Democracies, 3 February 2023
- **Working Paper:** [Climate change adaptation relevance of Tanzania’s national budget](#)
Danish Institute for International Studies, 30 January 2023
- **Brief:** [Net Zero Emissions](#)
MIT Climate Portal, 2023
- **Article:** [Dire Straits: China’s Push to Secure Its Energy Interests in the Middle East](#)
Center for Strategic and International Studies, 3 February 2023
- **Article:** [Building Water and Energy Security in the GCC through an Integrated Policy Approach](#)
Baker Institute for Public Policy, January 2023
- **Report:** [Climate Security Scenarios for Sweden](#)
Center for Climate & Security, February 2023

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Comments due 10 March 2023.

Dear CSN Members,

Below is your climate security update for this week.

I'm pleased to share that two NPS alums, Major Alexander Kenna and Major Matthew Alexander of the U.S. Army, have published an article in the Small Wars Journal this week sharing results from their climate security-focused thesis work while here at NPS:

- [**The Blind Spot: How a Gap in Climate Security Strategy Leads to Opportunities for Maligned Actors in Strategic Competition.**](#)

13 February 2023, Small Wars Journal

You can [view their November 2022 brief here.](#)

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
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NPS Climate & Security Network Weekly Update: 17 February 2023

Special Section: Ukraine

- Grid News: [**Russia draining a Ukrainian reservoir is a reminder that water can be a weapon in a warming world**](#)
- The Economist: [**War and subsidies have turbocharged the green transition**](#)
- Stockholm International Peace Research Institute: [**Beyond war ecologies: Green ways forward for Ukraine**](#)
- Project Syndicate: [**Global Warming, Hot Wars, Closed Societies**](#)
- Midland Daily News: [**The war in Ukraine hasn't left Europe freezing in the dark, but it has caused energy crises in unexpected places**](#)
- France 24: [**Ukraine war exposes splits between Global North and South**](#)
- IPS Journal: [**The green horizon of victory**](#)

NEWS

- [**Feds outline Arctic research 'goldmine'**](#)
17 February 2023, ClimateWire
- [**'Crisis is not over': Hearing mulls global energy future**](#)
17 February 2023, ClimateWire
- [**Meet the Millennial Scientist Leading the Biden Administration's Push for a Nuclear Power Revival**](#)
16 February 2023, Inside Climate News
- [**Arms Are Not Enough: Solutions for the Sahel Must Consider Climate**](#)
16 February 2023, New Security Beat

- [CCS and IMCCS to Host Events on Food Security and the Clean Energy Transition at the Munich Security Conference](#)
16 February 2023, Center for Climate & Security
- [Water Shortages Threaten to Increase Violence and Disappearances in Mexico](#)
15 February 2023, Scientific American
- [The EV Transition, Clean Car Standards, and Rural America](#)
15 February 2023, American Security Project
- [Navy, California Energy Commission move forward on electric vehicle pilot programs](#)
14 February 2023, Navy Release
- [10 years ago, we were turning nuclear bombs into nuclear energy. We can do it again.](#)
14 February 2023, Vox
- [EPA Announced Initial Program Design of Greenhouse Gas Reduction Fund](#)
14 February 2023, EPA Release
- [Sea level rise poses ‘unthinkable’ risks for the planet, Security Council hears](#)
14 February 2023, UN News
- [Climate refugee crisis has landed on Europe’s shores – and we are far from ready](#)
13 February, Euractiv
- [Conflict and Copper](#)
13 February 2023, New Security Beat
- [Natural disasters, boosted by climate change, displaced millions of people in U.S. in 2022](#)
12 February 2023, NBC News
- [A Huge, Uncharted Experiment on the U.S. Economy Is About to Begin](#)
12 February 2023, The New York Times
- [Can giving the ocean an antacid help curb climate change?](#)
11 February 2023, NBC News
- [Green hydrogen is no longer a pipe dream – it will be a significant element in deep decarbonisation worldwide: Stefan J. Reichelstein](#)
10 February 2023, The Economic Times
- [Environmental justice roundtable highlights energy and policy, health, and Indigenous Peoples issues](#)
10 February 2023, Stanford Doerr School of Sustainability
- [Largest private-public collaboration in DoD history reflects commitment to clean energy](#)
8 February 2023, Air Force Release
- [Noel Kempff Mercado Climate Action Project: The Promise and Peril of High-Potential Environmental Partnerships](#)

- 9 February 2023, Belfer Center for Science and International Affairs
- [How to predict record-shattering weather events](#)
8 February 2023, The Economist
 - [Twice as Much Land in Developing Nations Will be Swamped by Rising Seas than Previously Projected, New Research Shows](#)
7 February 2023, Inside Climate News
 - [Low-carbon warfare: Climate change, net zero and military operations](#)
7 February 2023, Planetary Security Initiative
 - [Climate change in the security council: What new council members can achieve in 2023](#)
6 February 2023, Planetary Security Initiative
 - [How to Prepare for the Perfect Storm of Conflict and Climate Change](#)
31 January 2023, Planetary Security Initiative

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [Hydrogen Innovators: Hydrogen as enabler to decarbonize the mother of all industries from within](#)
Stanford Doerr School of Sustainability, 10 February 2023
- **Congressional Research Service Reports:**
 - [Renewable Energy and Energy Efficiency Incentives: A Summary of Federal Programs](#) (10 February 2023)
 - [Loss and Damage Associated with the Effects of Climate Change: Recent Developments](#) (9 February 2023)
- **Paper:** [Human responses to climate change will likely determine the fate of biodiversity](#)
Proceedings of the National Academy of Sciences, 15 February 2023
- **Podcast:** [What We're Watching in Climate Now](#)
Climate One, 10 February 2023
- **Brief:** [Climate versus trade? Reconciling international subsidy rules with industrial decarbonization](#)
Bruegel, 8 February 2023
- **Issue Brief:** [Putin Is Bulldozing Russia's Energy Exports and Pushing the Energy Transition](#)
Baker Institute for Public Policy, 7 February 2023
- **Monthly Report:** [January 2023 Global Climate Report](#)
National Centers for Environmental Information, February 2023
- **Podcast:** [Climate Smart Agriculture with Secretary Tom Vilsack](#)
Climate One, 17 February 2023
- **Report:** [The Disruption of Arctic Exceptionalism: Managing Environmental Change in Light of Russian Aggression](#)
German Council on Foreign Relations, February 2023

- **Policy Brief: [Temperatures Rising: The Struggle for Bases and Access in the Pacific Islands](#)**
Brookings, February 2023
- **Conference Video: [National Security Significance of the Changing Climate: Naval Climate Engagement](#)**
U.S. Naval War College, January 2023
- **Discussion Paper: [Digitalisation: An enabler for the clean energy transition](#)**
European Policy Centre, 31 January 2023

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- **[NEW] [Distributed Wind 2023](#)**
27 February – 1 March 2023 / Arlington, VA & Virtual
Distributed Wind Energy Association
- **[NEW] [The Shift from Gas to Grid: A Roundtable on Transportation Electrification in Rural Communities](#)**
28 February 2023 / 9:30 – 11:30 am ET / Tallahassee, FL
American Security Project and Electrification Coalition
- **[NEW] [Diversity, Equity and Inclusion in Climate Planning](#)**
28 February 2023 / 11 am – Noon ET / 8 – 9 am PT / Virtual
Office of Energy Efficiency & Renewable Energy
- **[NEW] [Using Green Infrastructure to Prevent Flooding from Intensified Storms in the NY/NJ area](#)**
2 March 2023 / 2:00 pm ET / 11:00 am PT
Environmental Protection Agency
- **[NEW] [Biomanufacturing to Address Near-Term Climate Goals – A Workshop Follow-on Event](#)**
3 March 2023 / 12:00 – 1:00 pm ET / 9:00 – 10:00 am PT / Virtual
National Academies of Sciences, Engineering, and Medicine

- [**Congressional Climate Camp: Implementing the Inflation Reduction Act and Infrastructure Investment and Jobs Act**](#)
9 March 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Virtual
Environmental and Energy Study Institute
- [**\[NEW\] 2023 Sustainable Energy in America Factbook**](#)
15 March 2023 / 3 – 4:30 pm ET / 12 – 1:30 PT / Virtual
Environmental and Energy Study Institute
- [**\[NEW\] The Climate Docket at the European Court of Human Rights**](#)
23 March 2023 / 6 am – 10 am PT / Virtual
Sabin Center for Climate Change Law
- [**Fifteenth International Conference on Climate Change: Impacts and Responses**](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners
- [**Tackling Climate Change with Machine Learning**](#)
3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations
- [**DOD Climate Resilience Workshop 2023**](#)
10-13 July 2023 / St. Louis, MO
Office of the Assistant Secretary of Defense for EI&E

OPPORTUNITIES

- **Call for Proposals: [Marine Carbon Dioxide Removal \(mCDR\): Research and Development for Assessing Large Scale Carbon Removal and Local Scale Ocean Acidification Mitigation](#)**
Proposals due 28 February 2023.
- **Call for Proposals: [Environmental Security Technology Certification Program \(ESTCP\)](#)**
Proposals due 9 March 2023.
- **[National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change](#)**
Comments due 10 March 2023.

Dear CSN Members,

Below is your climate security update for this week, including the special section on Ukraine as we mark a year since the invasion.

Also, I'm pleased to congratulate CSN Planning Team member and Systems Engineering Professor **Douglas Van Bossuyt** who was awarded the **2023 Richard W. Hamming Faculty Award for Interdisciplinary Achievement** at NPS this week. The award recognizes innovative accomplishments that support and enhance interdisciplinary activities at NPS. More information about his accomplishments can be found [here](#). Congratulations, Dr. Van Bossuyt on this well-deserved honor!

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 24 February 2023

Special Section: Ukraine

- Relief Web: [Ten-Step plan to address environmental impact of war in Ukraine](#)
- Politico: [365 days of war in Ukraine – by the numbers](#)
- Bulletin of the Atomic Scientists: [The Ukraine war is affecting vital Arctic research](#)
- The Conversation: [Russia-Ukraine war has nearly doubled household energy costs worldwide](#)
- Science: [Will war in Ukraine escalate the global land rush?](#)
- i24 News: [The global economic impact of the war in Ukraine](#)
- Globely News: [The Russia-Ukraine War Has Caused an Energy Crisis in the Developing World](#)
- E&E News: [How Russia's war shattered global energy routes](#)
- CBC: [Ukraine wants to make Russia pay for environmental toll of war](#)
- Atlantic Council: [One year after the invasion: Rebuilding Ukraine's nuclear capacity](#) (*video*)

NEWS

- [Climate Security in The Horn: Crafting a Broader Role for Non-State Actors in IGAD](#)
24 February 2023, New Security Beat
- [How Climate Change and the Polar Vortex Influenced This Week's Harsh Winter Storms](#)
24 February 2023, Inside Climate News
- [A looming El Niño could give us a preview of life at 1.5C of warming](#)
24 February 2023, Grist
- [Climate Change and Economic Security in South Korea](#)

23 February 2023, Asia Sentinel

- [Drought and its Implications for Military Bases in the Colorado River Basin](#)
22 February 2023, American Security Project
- [A Sudden Rush to Make Sustainable Aviation Fuel Mainstream](#)
21 February 2023, The New York Times
- [States Show Leadership on Climate Action](#)
21 February 2023, New Security Beat
- [Every Coastal Home Is Now a Stick of Dynamite](#)
20 February 2023, The Atlantic
- [Energy hot potatoes the new president will face](#)
19 February 2023, Cyprus Mail
- [Debt-ridden countries can ease fiscal troubles with a greener economy – in 4 simple ways](#)
18 February 2023, The Print
- [Scientists Examine Dangerous Global Warming ‘Accelerators’](#)
17 February 2023, Inside Climate News
- [World to face wars over food and water without climate action, EU green deal chief says](#)
17 February 2023, CNBC
- [Climate change exacerbates malnutrition in one of the world’s poorest countries](#)
17 February 2023, The Irish Times
- [What’s a Climate ‘Doom Loop?’ These Researchers Fear We’re Heading Into One](#)
17 February 2023, Inside Climate News
- [In push to mine for minerals, clean energy advocates ask what going green really means](#)
17 February 2023, The New Lede
- [Fix Navy Infrastructure’s ‘Worst Problems’ First, Secretary Says](#)
16 February 2023, Defense One
- [Extreme Heat Waves, Floods and Weakened Security: Israel’s Grim Climate Forecast for 2050](#)
16 February 2023, Haaretz
- [New York’s new constitutional right to a clean environment faces first judicial test](#)
15 February 2023, Grist
- [Bring on the Boring EVs](#)
15 February 2023, The Atlantic
- [White House preparing report on climate geoengineering](#)
13 February 2023, E&E News

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Policy Brief: [Power Play: How the US Benefits if China Greens the Global South](#)**
Brookings, February 2023
- **Article: [Burden of the global energy price crisis on households](#)**
Nature Energy, 16 February 2023
- **Podcast: [New Security Broadcast: US Climate Envoy John Kerry on the Importance of Our Oceans](#)**
New Security Beat, 17 February 2023
- **Report: [Hamburg Climate Futures Outlook 2023](#)**
University of Hamburg, February 2023
- **Podcast: [How Biodiversity Research Can Inform Public Policy](#)**
Environmental and Energy Study Institute, 17 February 2023
- **Podcast: [What Climate Change Means for the Horn of Africa, With Michelle Gavin](#)**
Council on Foreign Relations, 14 February 2023
- **Monthly Report: [Pan-Arctic Sea Ice Concentration](#)**
NPS Regional Arctic System Model, February 2023
- **Video: [Climate-Related Economic Risks and Their Costs to the Federal Budget and Global Economy](#)**
U.S. Senate Committee on the Budget, 15 February 2023
- **Report: [U.S. Marine Corps Installations & Logistics 2030](#)**
U.S. Marine Corps, February 2023

EVENTS

- **[Pacific Climate Workshop: Drought to Deluge: Challenges facing Climate Science and Policy in the West](#)**
26 Feb – 1 March 2023 / Pacific Grove, CA
U.S. Geological Survey and partners
- **[Distributed Wind 2023](#)**
27 February – 1 March 2023 / Arlington, VA & Virtual
Distributed Wind Energy Association
- **[The Shift from Gas to Grid: A Roundtable on Transportation Electrification in Rural Communities](#)**
28 February 2023 / 9:30 – 11:30 am ET / Tallahassee, FL
American Security Project and Electrification Coalition
- **[Diversity, Equity and Inclusion in Climate Planning](#)**
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2 March 2023 / 2:00 pm ET / 11:00 am PT
Environmental Protection Agency

- [**Biomanufacturing to Address Near-Term Climate Goals – A Workshop Follow-on Event**](#)
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National Academies of Sciences, Engineering, and Medicine
- [**\[NEW\] Innovating out of the Climate Crisis: Ag Tech**](#)
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Environmental and Energy Study Institute
- [**2023 Sustainable Energy in America Factbook**](#)
15 March 2023 / 3 – 4:30 pm ET / 12 – 1:30 PT / Virtual
Environmental and Energy Study Institute
- [**\[NEW\] eProject Builder Greenhouse Gas Calculation Tool**](#)
22 March 2023 / 2 – 3 pm ET / 11 am – Noon PT / Virtual
Federal Energy Management Program
- [**The Climate Docket at the European Court of Human Rights**](#)
23 March 2023 / 6 am – 10 am PT / Virtual
Sabin Center for Climate Change Law
- [**\[NEW\] MIT Energy Conference**](#)
11-12 April 2023 / Boston, MA
Massachusetts Institute of Technology
- [**Fifteenth International Conference on Climate Change: Impacts and Responses**](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners
- [**\[NEW\] MIT Sustainability Summit**](#)
28 April 2023 / Virtual and Cambridge, MA
Massachusetts Institute of Technology
- [**Tackling Climate Change with Machine Learning**](#)
3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations
- [**DOD Climate Resilience Workshop 2023**](#)
10-13 July 2023 / St. Louis, MO
Office of the Assistant Secretary of Defense for EI&E

OPPORTUNITIES

- **Call for Proposals:** [**Environmental Security Technology Certification Program \(ESTCP\)**](#)
Proposals due 9 March 2023.

- [National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change](#)
Comments due 10 March 2023.
- [National Defense Center for Energy and Environment Call for Proposals](#)
Quad Charts due 1 April 2023.

Dear CSN Members,

Below is your climate security update for this week, including the special section on Ukraine and a special section on the Our Ocean Conference occurring this week.

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 3 March 2023

Special Section: Our Ocean Conference

- [Conference Site](#)
- [U.S. Department of State Our Ocean Conference Site](#)
- European Commission: [EU announces £816.4 million worth of commitments to protect the ocean](#)
- United Nations: [Humanity's Well-being Linked to Seas' Health, Deputy Secretary-General Tells Ocean Summit, Calling for Global Action to Stop Environmental Catastrophe](#)
- Yahoo Finance: [Civil society groups launch Global Charter for Fisheries Transparency at 2023 Our Ocean conference](#)

Special Section: Ukraine

- E&E News: [Ukrainians Shift to Renewable Power for Energy Security and War](#)
- New Security Beat: [Water and Conflict: Updates from the Russia-Ukraine War](#)
- Financial Express: [G20 Summit 2023 and challenges to India's presidency: Russia-Ukraine war, climate change, more](#)
- Politico: [Why Russia's war is causing blackouts in Asia](#)
- Al Jazeera: [Is Africa still 'neutral' a year into the Ukraine War](#)
- Euronews: [The international community must tackle the ripple effects of the war in Ukraine](#)
- Euractiv: [Ambitious, green reconstruction will make Ukraine and EU more secure](#)
- Planetary Security Initiative: [The impact of Russia's war against Ukraine on climate security and climate action](#)
- Al Jazeera: [India's G20 meeting ends without consensus on Russia-Ukraine war](#)
- The Times (UK): [Carbon emissions rise as Ukraine war results in return to coal](#)

NEWS

- [Washington Needs To Ditch Its America-First Approach to Critical Minerals](#)
3 March 2023, Real Clear Defense
- [How Alaska's coastal communities are racing against erosion](#)
3 March 2023, Grist

- [Managing microclimates – a ‘third way’ to combat climate change](#)
2 March 2023, DownToEarth.org
- [Climate change impacts on infrastructure – Committee calls for greater government urgency](#)
2 March 2023, UK Parliament Release
- [As It Leads the Security Council, Mozambique Battles Terrorism and Climate Dangers Back Home](#)
2 March 2023, PassBlue (UK)
- [The promises and perils of nuclear power](#)
2 March 2023, Politico
- [The impact of green hydrogen on India’s energy security and sustainability](#)
2 March 2023, The Times of India
- [US ‘Stands with Caribbean’ in Climate Change Fight, Navy Secretary Says](#)
1 March 2023, VOA News
- [Political instability and damage to infrastructure: How climate change could undermine Australia’s national security](#)
1 March 2023, Phys.org
- [A New Superfood From Hawai’i And the Future Of Food Security](#)
1 March 2023, Forbes
- [Managing the compounding debt and climate crises](#)
1 March 2023, Brookings
- [US military seeks to brew jet fuel from the air](#)
28 February 2023, The Hill
- [Climate & Food Security on Stage at the Munich Security Conference](#)
28 February 2023, Center for Climate & Security
- [Army greenlights Electric Light Reconnaissance Vehicle prototype buy in 2024](#)
28 February 2023, Breaking Defense
- [As Millions of Solar Panels Age Out, Recyclers Look to Cash in](#)
28 February 2023, Yale Environment 360
- [A ‘climate solution’ that spies worry could trigger war](#)
27 February 2023, The Washington Post
- [US Department of Energy Invests \\$10 Million in Contrail Predicting Technology](#)
27 February 2023, Simple Flying
- [Renewable Energy Facility M&A In Kazakhstan: Due Diligence Issues for Consideration](#)
27 February 2023, Market Screener
- [Paris drafts European ‘nuclear alliance’](#)

- 27 February 2023, Euractiv
- [**This Arctic US Air Base Has Its Eyes on Russia. But Climate is a Bigger Threat.**](#)
26 February 2023, Inside Climate News
 - [**China Approved Enough New Coal Plants Last Year to Power the UK**](#)
26 February 2023, Bloomberg
 - [**Commandant unveils first-ever Coast Guard Climate Framework**](#)
24 February 2023, U.S. Coast Guard Release
 - [**Draft DOE Study Identifies Pressing National Electric Transmission Needs**](#)
24 February 2023, Department of Energy Release
 - [**When hydrogen will help climate change – and when it won't**](#)
23 February 2023, MIT Technology Review
 - [**German, Danish visits to India to focus on climate change, Ukraine and China**](#)
22 February 2023, The Hindu
 - [**UNSC denies sea-level rise as a threat: SIDS to start a legal case**](#)
22 February 2023, Planetary Security Initiative
 - [**EV batteries are the next point of tension between China and the US**](#)
22 February 2023, MIT Technology Review
 - [**China Doesn't Want a Geoengineering Disaster**](#)
21 February 2023, Foreign Policy
 - [**The power of renewables: Productive use appliances as climate change solutions in sub-Saharan Africa**](#)
21 February 2023, Atlantic Council
 - [**Stanford researchers discover barrier to future batteries**](#)
19 February 2023, The Stanford Daily

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Strategy:** [**National Cybersecurity Strategy**](#)
The White House, March 2023
- **Framework:** [**United States Coast Guard Climate Framework**](#)
U.S. Coast Guard, January 2023
- **Book:** [**Weaponizing Water: Water Stress & Islamic Extremist Violence in Africa & the Middle East**](#)
Lynne Rienner Publishers, 28 February 2023
- **Statement:** [**The Partnership for Transatlantic Energy and Climate Cooperation \(P-TECC\) Statement of Principles – 2023**](#)
Department of Energy, 2 March 2023
- **Article:** [**Climate change as a global amplifier of human-wildlife conflict**](#)
Nature Climate Change, 27 February 2023

- **Journal:** [The Corps Environment](#)
U.S. Army Corps of Engineers, February 2023
- **Article:** [Increased exposure of coastal cities to sea-level rise due to internal climate variability](#)
Nature Climate Change, 2 March 2023
- **Podcast:** [Housing Density as a Climate Lever with Scott Wiener](#)
Climate One, 24 February 2023
- **Briefing Note:** [Clean Car Standards and National Security](#)
American Security Project, 24 February 2023
- **Report:** [7th National Climate Risk Assessment: Worsening Winds](#)
First Street Foundation, February 2023
- **Report:** [The Impact of Climate Change on U.S. Subnational Economies](#)
Moody's Analytics, February 2023

EVENTS

- **[NEW]** [The economic case for tackling climate change now](#)
6 March 2023 / 11 am – 12:30 pm ET / 8 – 9:30 am PT / Virtual
Brookings
- [Innovating out of the Climate Crisis: Ag Tech](#)
7 March 2023 / 12:30 – 1:15 pm ET / 9:30 – 10:15 am PT / Virtual
American Security Project
- [Congressional Climate Camp: Implementing the Inflation Reduction Act and Infrastructure Investment and Jobs Act](#)
9 March 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Virtual
Environmental and Energy Study Institute
- **[NEW]** [Ecosystem Model Comparisons and Applications on DoD Lands](#)
9 March 2023 / 12:00 pm ET / 9:00 am PT / Virtual
SERDP & ESTCP
- [2023 Sustainable Energy in America Factbook](#)
15 March 2023 / 3 – 4:30 pm ET / 12 – 1:30 PT / Virtual
Environmental and Energy Study Institute
- [eProject Builder Greenhouse Gas Calculation Tool](#)
22 March 2023 / 2 – 3 pm ET / 11 am – Noon PT / Virtual
Federal Energy Management Program
- [The Climate Docket at the European Court of Human Rights](#)
23 March 2023 / 6 am – 10 am PT / Virtual
Sabin Center for Climate Change Law
- **[NEW]** [Decarbonization Transformation in Chinese Cities: A Talk by Daizong Liu](#)
23 March 2023 / 5 – 7 pm ET / 2 – 4 pm PT
MIT Department of Urban Studies and Planning

- [MIT Energy Conference](#)
11-12 April 2023 / Boston, MA
Massachusetts Institute of Technology
- [Fifteenth International Conference on Climate Change: Impacts and Responses](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners
- [MIT Sustainability Summit](#)
28 April 2023 / Virtual and Cambridge, MA
Massachusetts Institute of Technology
- [Tackling Climate Change with Machine Learning](#)
3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations
- [DOD Climate Resilience Workshop 2023](#)
10-13 July 2023 / St. Louis, MO
Office of the Assistant Secretary of Defense for EI&E

OPPORTUNITIES

- [National Environmental Policy Act Guidance on Consideration of Greenhouse Gas Emissions and Climate Change](#)
Comments due 10 March 2023.
- [National Defense Center for Energy and Environment Call for Proposals](#)
Quad Charts due 1 April 2023.
- **[NEW]** [Call for Papers: The Role of Nuclear Power in Mitigating Climate Change – Atoms4NetZero](#)
Papers due 28 April 2023.

Dear CSN Members,

My apologies that this comes a day late. Monterey was hit with a major storm on Thursday night that left widespread power outages, including on campus. Below is the climate security update for this week, including the special section on Ukraine.

I'm pleased to highlight a briefer by a CSN Member, Katelin Wright:

- [**How the United States Can Prevent the Weaponization of Climate Migration in a Warming World: A Humane Approach**](#)
Center for Climate & Security, 8 March 2023

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 10 March 2023

Special Section: Ukraine

- EX: E&E News: [**Ukrainians Shift to Renewable Power for Energy Security and War**](#)
- Peterson Institute for International Economics: [**Europe's wartime embrace of fossil fuel wanes as focus returns to combating climate change**](#)
- Foreign Policy Research Institute: [**Putin the Green? The Unintended Consequences of Russia's Energy War on Europe**](#)
- Barron's: [**Europe Blunted Russia's Energy Weapon This Winter. Can It Succeed Twice?**](#)
- NPR: [**How Russia's war in Ukraine is changing the world's oil markets**](#)
- Mother Jones: [**Putin's Assault on Ukraine Has Been an Environmental Catastrophe**](#)
- Anthropocene: [**What's the carbon fallout of Russia's war on Ukraine?**](#)
- Reuters: [**US Energy Sec still sees global energy challenges from Ukraine war**](#)

NEWS

- [**Council approves conclusions bolstering climate and energy diplomacy in a critical decade**](#)
9 March 2023, Council of the EU Release
- [**Understanding Supply Chain Emissions Is A Business Imperative In The Age Of Unpredictability**](#)
9 March 2023, Carbon Herald
- [**Intel community: China, climate change part of 'complex' threat environment to U.S.**](#)
8 March 2023, Spectrum News (NY)
- [**Twenty-five trailblazing women leading the fight against climate change**](#)
7 March 2023, Reuters

- [US hyperfocus on decarbonization creates geopolitical blind spots](#)
7 March 2023, The Hill
- [Calling Climate Change Major Global Security Issue, President Tells Round Table ‘No Country Is Immune, but Those Least Developed Suffer Most’](#)
7 March 2023, United Nations Release
- [Climate Security and Critical Minerals Mining in Latin America: How Can Business Help?](#)
7 March 2023, New Security Beat
- [Testing the Winds](#)
6 March 2023, Stanford King Center on Global Development
- [Beauty and the beast: Implications of the US-China tech war on climate and energy](#)
6 March 2023, Atlantic Council
- [Climate change is launching a mutant seed space race](#)
6 March 2023, Phys.org
- [Greenland’s marine ecosystem is experiencing a radical ‘regime change’](#)
6 March 2023, Grist
- [Climate Change poses ‘long-term’ threat to Canada’s security, spy agency warns](#)
5 March 2023, Global News
- [Your Local Solar Panel Plant May Be Holding Back Net Zero](#)
5 March 2023, Bloomberg
- [One Region, Two Narratives: The Pacific, Climate Change, and Security](#)
4 March 2023, Observer Research Foundation
- [US Navy Prowls For E-Fuels From The Seven Seas](#)
4 March 2023, Clean Technica
- [Is climate change good for insurgent groups?](#)
28 February 2023, Canada’s National Observer
- [A new alliance for ‘high quality’ carbon removal highlights tensions within the industry](#)
28 February 2023, Grist
- [Scientists are Trying to Pull Carbon Out of the Ocean to Combat Climate Change](#)
27 February 2023, Scientific American / E&E News
- [New design for lithium-air battery could offer much longer driving range compared with the lithium-ion battery](#)
22 February 2023, Argonne National Laboratory Release

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [Has Hydrogen’s Moment Finally Arrived?](#)
Climate One, 3 March 2023
- **Monthly Report:** [Assessing the U.S. Climate in February 2023](#)

National Centers for Environmental Information, 8 March 2023

- **Remarks:** [Remarks by Vice President Harris in a Moderated Conversation on Climate](#)
The White House, 6 March 2023
- **Congressional Research Service Reports:**
 - [Advanced Nuclear Reactors: Technology Overview & Current Issues](#), 17 February 2023
 - [The Inflation Reduction Act: Financial Incentives for Residential Energy Efficiency and Electrification Projects](#), 16 February 2023
 - [Heavy-Duty Vehicles, Air Pollution, and Climate Change](#), 14 February 2023
- **Policy Brief:** [Climate, Peace and Security in a Changing Geopolitical Context: Next Steps for the European Union](#)
Stockholm International Peace Research Institute, February 2023
- **Podcast:** [Michael Howland gives wind energy a lift](#)
Energy Reads, March 2023
- **Article:** [Policy challenges and responses to environmental non-migration](#)
Nature Journal, 6 March 2023
- **Resource Collection:** [Climate Change and Human Rights Resource Collection](#)
National Academies of Sciences, Engineering and Medicine, March 2023
- **Brief:** [Lessons Learned from State-Level Climate Policies to Accelerate U.S. Climate Action](#)
Wilson Center and partners, February 2023
- **Paper:** [Climate Performance Index: A Study of the Performance of G20 Countries in Mitigation](#)
Observer Research Foundation, February 2023
- **Podcast:** [Powering Up the Electrification Workforce for an Equitable Clean Energy Future](#)
Environmental and Energy Study Institute, 6 March 2023
- **Report:** [The Disruption of Arctic Exceptionalism](#)
German Council on Foreign Relations, February 2023
- **Report:** [The Food-Energy Nexus and Italy-Morocco Cooperation](#)
Istituto Affari Internazionali, March 2023
- **Paper:** [From Competition to a Sustainable Raw Materials Diplomacy](#)
German Institute for International and Security Affairs, February 2023

EVENTS

- [2023 Sustainable Energy in America Factbook](#)
15 March 2023 / 3 – 4:30 pm ET / 12 – 1:30 PT / Virtual
Environmental and Energy Study Institute
- **[NEW]** [Climate Refuges: Human Migration in the Era of Climate Change](#)

16 March 2023 / 6:00 – 8:00 pm CT / 4:00 – 6:00 PT
Loyola University Chicago

- [**eProject Builder Greenhouse Gas Calculation Tool**](#)
22 March 2023 / 2 – 3 pm ET / 11 am – Noon PT / Virtual
Federal Energy Management Program
- [**The Climate Docket at the European Court of Human Rights**](#)
23 March 2023 / 6 am – 10 am PT / Virtual
Sabin Center for Climate Change Law
- [**Decarbonization Transformation in Chinese Cities: A Talk by Daizong Liu**](#)
23 March 2023 / 5 – 7 pm ET / 2 – 4 pm PT / In-person and Virtual
MIT Department of Urban Studies and Planning
- [**\[NEW\] Climate Conversations: Tipping Points**](#)
30 March 2023 / 3 – 4:15 pm ET / 12 – 1:15 pm PT / Virtual
National Academies of Sciences, Engineering and Medicine
- [**\[NEW\] The Journey to Net Zero \(Webinar Series\)**](#)
BMT / Seawork Webinar Series
 - **Vessel Integration**
4 April 2023 / 10 – 11 am GMT / 5 – 6 am ET / 2 – 3 am PT
 - **New Emission Regulation & Guidance**
11 May 2023 / 10 – 11 am GMT / 5 – 6 am ET / 2 – 3 am PT
 - **Underwater Radiated Noise: An Unheard Emission**
6 June 2023 / 10 – 11 am GMT / 5 – 6 am ET / 2 – 3 am PT
- [**\[NEW\] Alaska Sustainable Energy Conference Pre-Events**](#)
 - **Carbon Capture and Sequestration: The Myth and the Reality**
11 – 12 April 2023 / Virtual
 - **Energy Storage: Beyond Lithium-Ion Batteries**
9 – 10 May 2023 / Virtual
- [**MIT Energy Conference**](#)
11-12 April 2023 / Boston, MA
Massachusetts Institute of Technology
- [**\[NEW\] SLAC Stanford Battery Research Center Launch**](#)
13 April 2023 / Menlo Park, CA
SLAC National Accelerator Laboratory
- [**Fifteenth International Conference on Climate Change: Impacts and Responses**](#)
20 – 21 April 2023 / Vancouver, Canada & Virtual
Common Ground Research Networks and partners
- [**MIT Sustainability Summit**](#)
28 April 2023 / Virtual and Cambridge, MA
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- [**Tackling Climate Change with Machine Learning**](#)

3 – 4 May 2023 / Kigali, Rwanda and Virtual
International Conference on Learning Representations

- [**DOD Climate Resilience Workshop 2023**](#)
10-13 July 2023 / St. Louis, MO
Office of the Assistant Secretary of Defense for EI&E

OPPORTUNITIES

- [**National Defense Center for Energy and Environment Call for Proposals**](#)
Quad Charts due 1 April 2023.
- [**Call for Papers: The Role of Nuclear Power in Mitigating Climate Change – Atoms4NetZero**](#)
Papers due 28 April 2023.

Dear CSN Members,

Happy St. Patrick's Day!

Below is the climate security update for this week, including the special section on Ukraine.

I'm pleased to share the recent appointment of a colleague: Annalise Blum has been appointed Deputy Assistant Secretary for Water and Science. You can read more at:

- [Interior Department Welcomes New Biden-Harris Appointees](#)
Department of Interior Press Release, 13 March 2023

Congratulations, Annalise!

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 17 March 2023

Special Section: Ukraine

- International Atomic Energy Agency: [Nuclear Safety, Security and Safeguards in Ukraine](#)
- American Security Project: [Navigating Russia's Attacks on Water and Energy in Ukraine](#)
- US-China Economic and Security Review Commission: [China's Paper on Ukraine and Next Steps for Xi's Global Security Initiative](#)
- Climate-KIC: [Ukrainian City Rivne chosen for Net Zero Cities Pilot programme](#)
- The Washington Post: [The war in Ukraine is a human tragedy. It's also an environmental disaster.](#)
- AP News: [War, transport weigh on Germany's efforts to curb emissions](#)
- Canada's National Observer: [One year in, the toxic legacy of war in Ukraine](#)

NEWS

- [A government program hopes to find critical minerals right beneath our feet](#)
17 March 2023, Grist
- [E.U. enters clean-energy arms race against the U.S.](#)
17 March 2023, E&E News
- [DOD Integral in Western Hemisphere Combating Climate Change](#)
16 March 2023, Department of Defense Release
- [Climate and Ecological Security in the 2023 Annual Threat Assessment](#)
16 March 2023, Center for Climate & Security
- [Puerto Rico town celebrates 'first-of-its-kind' solar microgrid](#)
16 March 2023, Grist

- [Why the US military should build modular nuclear reactors](#)
16 March 2023, Defense News
- [The Changing Geopolitics of Critical Minerals and the Future of the Clean Energy Transition](#)
16 March 2023, New Security Beat
- [As climate woes worsen, Africa's economies suffer, UN says](#)
15 March 2023, ABC News
- [Navy Secretary Reaches Out to Caribbean Nations in Fight Against Climate Change](#)
15 March 2023, Department of Defense Release
- [Farming Out of the Climate Crisis](#)
15 March 2023, American Security Project
- [How rising temperatures are intensifying California's atmospheric rivers](#)
15 March 2023, Grist
- [Climate bright spot: Building sector decarbonization is well underway](#)
15 March 2023, The Hill
- [Russia Is Vital to the Clean Energy Transition. That's a Problem](#)
15 March 2023, Time
- [Germany introduces national water strategy as climate change forces action](#)
15 March 2023, Reuters
- [The Bitter 17-Year Saga to Build a Power Line Critical to US Climate Action](#)
15 March 2023, Bloomberg
- [Comment: The water crisis is just as urgent as climate change. Investors need to wake up](#)
15 March 2023, Reuters
- [Can the New High Seas Treaty Help Limit Global Warming?](#)
14 March 2023, Inside Climate News
- [Kenya to combat rural energy access gap with over 130 solar minigrids](#)
14 March 2023, PV Magazine
- [Climate change is supercharging floods and droughts, new research shows](#)
14 March 2023, Grist
- [Biden Approves ConocoPhillips' Willow Project to Drill Oil in the Alaskan Arctic](#)
14 March 2023, Inside Climate News
- [A Land Grab or a Boon for Communities: Renewable Hydrogen in the Norwegian Arctic](#)
13 March 2023, New Security Beat
- [The fight to define 'green hydrogen' could determine America's emissions future](#)
10 March 2023, Grist

- [Clean industrial policies: A space for EU-US Collaboration](#)
10 March 2023, Atlantic Council
- [Beyond promises: The \\$120 trillion path to a “net zero” world](#)
9 March 2023, Stanford Institute for Economic Policy Research
- [Sub-Saharan green hydrogen as a catalyst for development](#)
9 March 2023, Atlantic Council
- [Could we help plants remove more CO2 from the atmosphere by harvesting them and storing their carbon?](#)
8 March 2023, MIT Climate Portal
- [Departments of Energy and Homeland Security Continue Climate Adaptation Collaboration](#)
8 March 2023, Department of Energy Release

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Article:** [Energy Efficiency and Directed Technical Change: Implications for Climate Change Mitigation](#)
The Review of Economic Studies, 15 March 2023
- **Podcast:** [A Global Just Transition – For Whom?](#)
Climate One, 17 March 2023
- **Research Working Paper:** [Assessing the Impact of Renewable Energy Policies on Decarbonization in Developing Countries](#)
World Bank Group, February 2023
- **Article:** [Changing intensity of hydroclimatic extreme events revealed by GRACE and GRACE-FO](#)
Nature Water, 13 March 2023
- **Report:** [One Atmosphere: An Independent Expert Review on Solar Radiation Modification Research and Deployment](#)
United Nations Environment Programme, February 2023
- **Article:** [North Korea’s Energy Sector: Defining the Landscape](#)
38 North, 3 March 2023
- **Newsletter:** [Sustain: Digging Deeper: AI’s Environmental Report Card](#)
Algorithm Watch.org
- **Brief:** [Turning Up the Heat on Geothermal Energy Development in Latin America](#)
Center for Strategic & International Studies, March 2023
- **Research Paper:** [Climate action in China](#)
Chatham House Environment and Society Programme, March 2023
- **Paper:** [At the Cruc: UK Steel Risk in the Energy Transition](#)
Royal United Services Institute for Defence and Security Studies, March 2023

- **Article:** [Energy production and water savings from floating solar photovoltaics on global reservoirs](#)
Nature Sustainability, 13 March 2023
- **Policy Brief:** [Climate change actions in conflict affected contexts](#)
Danish Institute for International Studies, 6 March 2023
- **Article:** [Managing the Health Risks of Climate Change](#)
Council on Foreign Relations, 6 March 2023
- **Paper:** [Getting Science Back on Track: Voices of Scientists across Six Federal Agencies](#)
Union of Concerned Scientists, February 2023
- **Congressional Research Services Reports:**
 - [Overview of U.S. Army Corps of Engineers Environmental Infrastructure \(EI\) Assistance](#) (10 March 2023)
 - [Drought in the United States: Science, Policy and Selected Federal Authorities](#) (9 March 2023)
 - [Water Resource Issues in the 118th Congress](#) (1 March 2023)
 - [Wildfire Statistics](#) (1 March 2023)
 - [Offshore Wind Energy Development: Legal Framework](#) (28 February 2023)
 - [Aviation, Air Pollution and Climate Change](#) (24 February 2023)
- **Article:** [Climate Change: An Opportunity for INDOPACOM](#)
Parameters, The US Army War College Quarterly, 3 March 2023
- **Comment:** [Climate Negotiations in Times of Multiple Crises](#)
German Institute for International and Security Affairs, February 2023
- **Monthly Report:** [February 2023 Global Climate Report](#)
National Centers for Environmental Information, March 2023
- **Policy Brief:** [Is Climate Diplomacy the Solution for More Resilient Cooperation in the Mediterranean Region?](#)
EuroMesco, February 2023
- **Comment:** [Into the Blue: The Role of the Ocean in Climate Policy](#)
German Institute for International and Security Affairs, March 2023

EVENTS

- [eProject Builder Greenhouse Gas Calculation Tool](#)
22 March 2023 / 2 – 3 pm ET / 11 am – Noon PT / Virtual
Federal Energy Management Program
- **[NEW]** [Report Launch: A model for decarbonizing cities](#)
22 March 2023 / 9 am ET / 6 am PT / Virtual
Atlantic Council Global Energy Center
- **[NEW]** [Reducing Costs with Quick Water Wins](#)
22 March 2023 / 2 pm ET / 11 am PT / Virtual
Department of Energy

- [**The Climate Docket at the European Court of Human Rights**](#)
23 March 2023 / 6 am – 10 am PT / Virtual
Sabin Center for Climate Change Law
- [**Decarbonization Transformation in Chinese Cities: A Talk by Daizong Liu**](#)
23 March 2023 / 5 – 7 pm ET / 2 – 4 pm PT / In-person and Virtual
MIT Department of Urban Studies and Planning
- [**Climate Conversations: Tipping Points**](#)
30 March 2023 / 3 – 4:15 pm ET / 12 – 1:15 pm PT / Virtual
National Academies of Sciences, Engineering and Medicine
- [**The Journey to Net Zero \(Webinar Series\)**](#)
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10-13 July 2023 / St. Louis, MO
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- [**National Defense Center for Energy and Environment Call for Proposals**](#)
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- [**Call for Papers: The Role of Nuclear Power in Mitigating Climate Change – Atoms4NetZero**](#)
Papers due 28 April 2023.

Dear CSN Members,

Below is the climate security update for this week, including a special section on the IPCC Synthesis Report and one on Ukraine.

We have a CSN event coming up that I hope you can join us for:

- [Perspectives on Climate from a Military Fellow](#)
5 April 2023 / 12:00 – 1:00 pm PT / Virtual

Also, if you missed our Combined Naval Address speaker, Dr. Neta Crawford, last month or if you saw her but want to hear more, she's featured in this video:

- **Video:** [Climate Change & War: How U.S. Military Emissions Factor into Costs of War and Shape Military Policy](#)
Democracy Now, 17 March 2023

To all of you who forward me articles of interest, thank you for your help in crafting these email updates each week!

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 24 March 2023

Special Section: IPCC Synthesis Report

- [Read/Download the Report](#)
- World Economic Forum: [Climate Change: The IPCC just published its summary of 5 years of reports – here's what you need to know](#)
- Clean Technica: [The IPCC Synthesis Report Is Out, & It Offers A Faint Glimmer of Hope](#)
- The Independent: [Five graphics show UN climate report in brutal detail](#)
- The Washington Post: [World is on brink of catastrophic warming, U.N. climate change report says](#)
- BBC: [Five things we've learned from the UN climate report](#)
- The Wire: [New IPCC Report Lists Numerous Low-Cost Options to Tackle Climate Change](#)
- Forbes: ['On Thin Ice': World About To Pass Critical Temperature Threshold, UN Warns](#)

Special Section: Ukraine

- Science Norway: [The war in Ukraine has undermined environmental and climate research in the Arctic](#)

- The Wall Street Journal: [Russia Tried to Freeze Ukraine. Here's How It Survived the Winter](#)
- The Guardian: [‘Ukraine is a false justification’: America’s destructive new rush for natural gas](#)
- Center for Climate & Security: [One Year Later: Unraveling Climate & Ecological Security in Ukraine](#)
- Eurasia Review: [Stop The Russia-Ukraine War For The Greater Good](#)
- Reuters: [Russia’s tighter energy ties with China since Ukraine War](#)
- The Begin-Sadat Center for Strategic Studies: [Israel’s Energy Market and the War in Ukraine](#)
- Vanguard News: [Russian/Ukraine war poses climate change challenges if not managed](#)

NEWS

- [The IPCC says we need to phase down fossil fuels, fast. Here’s how the US could do it.](#)
24 March 2023, Grist
- [The feds have a low-carbon shopping list. It’s global.](#)
23 March 2023, E&E News
- [DoD Looks to Protect Marshall Islands from Climate Threats](#)
22 March 2023, Politico
- [Climate change could spur severe economic losses, Biden administration says](#)
22 March 2023, Grist
- [Tracking the United Nations 2023 Water Conference: Notable Moments and Key Themes](#)
22 March 2023, Just Security
- [A New White House Plan Prioritizes Using the Ocean’s Power to Fight Climate Change](#)
21 March 2023, Inside Climate News
- [Climate change: can we really take CO2 back out of the air?](#)
21 March 2023, BBC
- [The UN Water Conference and Latin American Transboundary Waters: A Case for Better Governance](#)
21 March 2023, New Security Beat
- [Fantasy Acres: Will Climate Change Actually Create More Northern Farmland?](#)
20 March 2023, Resilience
- [Seven countries reject nuclear-derived hydrogen from EU renewables law](#)
20 March 2023, Euractiv
- [US utility firms spent big preparing power grid for storms – and still failed](#)
19 March 2023, The Guardian
- [Weathering the storm: How Japan is factoring climate change into defense policy](#)
19 March 2023, The Japan Times

- [Tesla and EVs are Critical For More Than Just the Environment: National Security](#)
18 March 2023, Torque News
- [UN 2023 Water Conference: an opportunity for international concerted action](#)
17 March 2023, Planetary Security Initiative
- [Biden's top domestic climate advisor shares personal story, presidential optimism](#)
17 March 2023, Stanford Doerr School of Sustainability
- [In show of unity, NATO and EU heads visit North Sea gas platform](#)
17 March 2023, Reuters
- [Climate Security and the Security Sector in Southeast Asia](#)
17 March 2023, Planetary Security Initiative
- [Army energy experts analyze future power needs, climate readiness](#)
16 March 2023, U.S. Army Release
- [Reflection on the Future Leaders Climate Summit](#)
16 March 2023, American Security Project
- [These aircraft could change how we fly](#)
16 March 2023, MIT Technology Review
- [Is 1.5C still realistic? The crumbling consensus over key climate target](#)
15 March 2023, Financial Times
- [Europe Needs Both Fiscal and Energy Solidarity](#)
14 March 2023, Center for European Reform
- [Harmonizing hydrogen ambitions and realities](#)
14 March 2023, Atlantic Council
- [Energy Prices, Not US Subsidies are Europe's Biggest Headache](#)
14 March 2023, Center for European Reform
- [Twelve Years After Fukushima, More U.S. Nuclear Energy Is a National Security Imperative](#)
12 March 2023, Real Clear Energy
- [How renewables are shaping the Indo-China relationship](#)
6 March 2023, Planetary Security Initiative
- [Nuclear Waste Is Piling Up. Does the U.S. Have a Plan?](#)
6 March 2023, Scientific American

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [Review of the Draft Fifth National Climate Assessment](#)
National Academies of Sciences, Engineering and Medicine, March 2023
- **Report:** [Disaster Assistance: Action Needed to Improve Resilience, Response and Recovery](#)
U.S. Government Accountability Office, March 2023

- **Toolkit:** [Water and Conflict: A Toolkit for Programming](#)
USAID, March 2023
- **Report:** [Economic Report of the President](#)
The White House, March 2023
Note: Chapter 9: Opportunities for Better Managing Weather Risk in the Changing Climate
- **Reports:** [Pathways to Commercial Liftoff](#)
Department of Energy, March 2023
 - [Advanced Nuclear](#)
 - [Clean Hydrogen](#)
 - [Long Duration Energy Storage](#)
- **Podcast:** [Climate change: could militaries save the world?](#)
Monocle, 18 March 2023
- **Resource:** [Greenhouse Gas Emissions Information for Decision Making](#)
National Academies of Sciences, Engineering and Medicine, March 2023
- **Paper:** [China, climate and the conflict in the Indo-Pacific](#)
Australian Strategic Policy Institute, March 2023
- **Paper:** [China, climate change and the energy transition](#)
Australian Strategic Policy Institute, March 2023
- **Report:** [Digital Public Goods for Disaster Risk Reduction in a Changing Climate](#)
UN Office for Disaster Risk Reduction, March 2023
- **Report:** [Land Matters: Can Better Governance and Management of Scarcity Prevent a Looming Crisis in the Middle East and North Africa?](#)
World Bank Group, March 2023
- **Paper:** [Concessional Climate Finance: Is the MDB Architecture Working?](#)
Center for Global Development, March 2023
- **Brief:** [Lessons Learned from State-Level Climate Policies to Accelerate U.S. Climate Action](#)
Wilson Center & Others, February 2023
- **Briefer:** [The Devil's in the Deep: Marine Fisheries, Ecological Tipping Point Risks, and Maritime Security](#)
Council on Strategic Risks, 22 March 2023
- **Paper:** [Mind the ESG Gap: Transmission Mechanisms and the Governance of and by Sustainable Finance](#)
Danish Institute for International Studies, March 2023
- **Brief:** [Green Jobs and the City: Towards a Just Transition in Developing Countries](#)
German Institute of Development and Sustainability, January 2023
- **Paper:** [What Needs to Change for Green Funds to be Truly Green](#)
Danish Institute for International Studies, March 2023

- **Report:** [Building Climate Resilience in Urban Informal Settlements through Data Co-production](#)
Istituto Affair Internazionali, March 2023
- **Brief:** [Climate adaptation: The race to cool down Europe's cities](#)
European Policy Centre, 13 March 2023
- **Report:** [What to Expect from Oil Markets in 2023 and Beyond](#)
Center on Global Energy Policy at Columbia, March 2023

EVENTS

- [Climate Conversations: Tipping Points](#)
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National Academies of Sciences, Engineering and Medicine
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6 June 2023 / 10 – 11 am GMT / 5 – 6 am ET / 2 – 3 am PT
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5 April 2023 / 12:00 – 1:00 pm PT / Virtual
NPS Climate & Security Network
- **[NEW]** [Responding to Climate Amplified Extreme Weather Events](#)
 - **Session One: Stop Asking Us to be Resilient: Community Perspectives on the “Resilience” Myth**
5 April 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Virtual
 - **Future Sessions: 19 April, 3 May, 17 May**
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11-12 April 2023 / Boston, MA
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- [**NCAC-USAEE 26th Annual Conference: Opportunity in Crisis: Solving for Energy Security and a Low-Carbon Transition**](#)
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OPPORTUNITIES

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Quad Charts due 1 April 2023.
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Comments due 4 April 2023.
- [**Call for Papers: The Role of Nuclear Power in Mitigating Climate Change – Atoms4NetZero**](#)
Papers due 28 April 2023.

Dear CSN Members,

Below is the climate security update for this week, including the special section on Ukraine.

And, a reminder of our CSN event next week:

- [Perspectives on Climate from a Military Fellow](#)
5 April 2023 / 12:00 – 1:00 pm PT / Virtual

Plus, a special invitation to a gathering for the CSN's 2nd birthday:

- CSN 2-year Birthday Celebration
11 April 2023 / 5:00 pm PT / Trident Room, NPS Campus
*If you need base/campus access, please email me at: kristen.fletcher@nps.edu

Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
Office: 831.920.1090 | Cell: 401.714.4686
kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 31 March 2023

Special Section: Ukraine

- Foodtank: [The Road to Restoration: Post-War Recovery of the Ukrainian Agricultural Sector](#)
- This Day: [Russian/Ukraine War Poses Climate Change Challenge if Not Managed, Says CNA](#)
- Euronews: [NGOs push for green reconstruction of Ukraine so infrastructure can weather war and climate change](#)
- German Institute of Development and Sustainability: [Rebuilding Ukraine: What the International Community Now Needs to Consider](#)
- Kyiv Post: [Russia's War on Ukraine's Environment: New Report Identifies Impacts](#)
- New Security Beat: [Ecoaction's Kostiantyn Krynytskyi on Securing Ukraine's Energy Future](#)

NEWS

- [The U.S. Can Steal China's Climate Leadership Crown](#)
30 March 2023, Foreign Policy
- [How climate change made the Mississippi tornadoes more likely](#)
30 March 2023, Grist
- [Rebalancing the Indo-Pacific: Vietnam and Critical Minerals](#)
29 March 2023, American Security Project
- [To fight warming, DoD's climate boss wants better buildings](#)
29 March 2023, Politico

- [Can we use the pipelines and power plants we have now to transport and burn hydrogen, or do we need new infrastructure?](#)
29 March 2023, MIT Climate Portal
- [New additives could turn concrete into an effective carbon sink](#)
28 March 2023, MIT News
- [UK is 'strikingly unprepared' for climate change disasters](#)
28 March 2023, The National News (UK)
- [Arctic Council under pressure as Norway readies for Russian handoff](#)
28 March 2023, Reuters
- [The shift to a green energy future is renewing plantation-era water wars in Hawaii](#)
26 March 2023, Grist
- [Defense Ministry prepares for extreme hot weather as climate change sets in](#)
26 March 2023, The Times of Israel
- [Britain's national security is under threat from climate change](#)
26 March 2023, Independent
- [Should the Government Pay for Your Bad Climate Decisions?](#)
24 March 2023, The New York Times
- [IPCC report will likely shake up U.N. climate talks](#)
24 March 2023, E&E News
- [Biden-Harris Administration Announces \\$250 Million for Federal Agencies to Advance Net-Zero Projects and Save Taxpayers Money](#)
23 March 2023, Department of Energy Release
- [DoD, GSA Sign MOU to Bring More Environmental Innovators to Federal Marketplace](#)
22 March 2023, Department of Defense Release
- [DOD and DOI Partnership Provides \\$80 Million to Preserve Natural Landscapes Around Military Installations and Enhance Outdoor Recreation Opportunities](#)
22 March 2023, Department of Defense Release
- [How to make computing more sustainable](#)
22 March 2023, SLAC National Accelerator Laboratory
- [The melting Arctic gets a U.S. ambassador and an influx of military cash](#)
20 March 2023, National Public Radio
- [Clean electricity to reach as high as 90% by 2030](#)
16 March 2023, PV Magazine
- [What if climate change meant not doom – but abundance?](#)
15 March 2023, The Washington Post
- [Harmonizing hydrogen ambitions and reality](#)
14 March 2023, Atlantic Council

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [Happiness and Climate Action Can Go Together](#)
Climate One, 24 March 2023
- **Podcast:** [White House Climate Advisor Ali Zaidi on Willow and Biden's Climate Agenda](#)
Climate One, 31 March 2023
- **Report:** [Advancing Offshore Wind Energy in the United States](#)
U.S. Department of Energy, March 2023
- **Report:** [The Climate Change and Conflict Nexus in West Africa: A New Approach for Operationally Relevant Vulnerability Assessments](#)
The World Bank, March 2023
- **Comment:** [The Co-production of Knowledge for Climate Science](#)
Nature Climate Change, 20 March 2023
- **Brief:** [India's Quest for Renewable Energy and the Gulf Countries](#)
Manohar Parrikar Institute for Defence Studies and Analyses, 24 March 2023
- **Conference Video:** [Climate Refugees: Human Migration in the Era of Climate Change](#)
Loyola University Chicago, March 2023
- **Issue Brief:** [Can hydrogen fuel reduce aviation's climate impact?](#)
Atlantic Council, 23 March 2023
- **Brief:** [Conflict Prevention, Climate Change, and Why Ghana Matters Now](#)
Center for Strategic & International Studies, March 2023
- **Report:** [Decarbonising maritime bunkering in the Netherlands and the embargo on Russian oil](#)
The Hague Centre for Strategic Studies, February 2023
- **Brief:** [Innovation for Resilience: A Focused Study on Workforce, Climate, Supply Chain, and Cyber Resilience](#)
Center for Strategic & International Studies, March 2023
- **Briefer:** [India's Lithium Resources in Kashmir Highlight Conflict Risks Around Critical Minerals](#)
Center for Climate & Security, 30 March 2023
- **Brief:** [Valencia, Spain: Decarbonization Through Innovative Partnerships](#)
Atlantic Council, March 2023
- **Report:** [Department of Energy Funding for Hydrogen and Fuel Cell Technology Programs FY2022](#)
Congressional Research Service, 23 March 2023
- **Brief:** [Rotterdam, Netherlands: An Integrated Approach to Decarbonization](#)
Atlantic Council, March 2023

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- [**Request for Information: DRAFT Federal Strategy to Advance an Integrated U.S. Greenhouse Gas Monitoring and Information System**](#)
Comments due 4 April 2023.
- [**Call for Papers: The Role of Nuclear Power in Mitigating Climate Change – Atoms4NetZero**](#)
Papers due 28 April 2023.
- [**Request for Information: Updating the Climate Literacy Guide**](#)
U.S. Global Change Research Program
Contributions due 31 May 2023.